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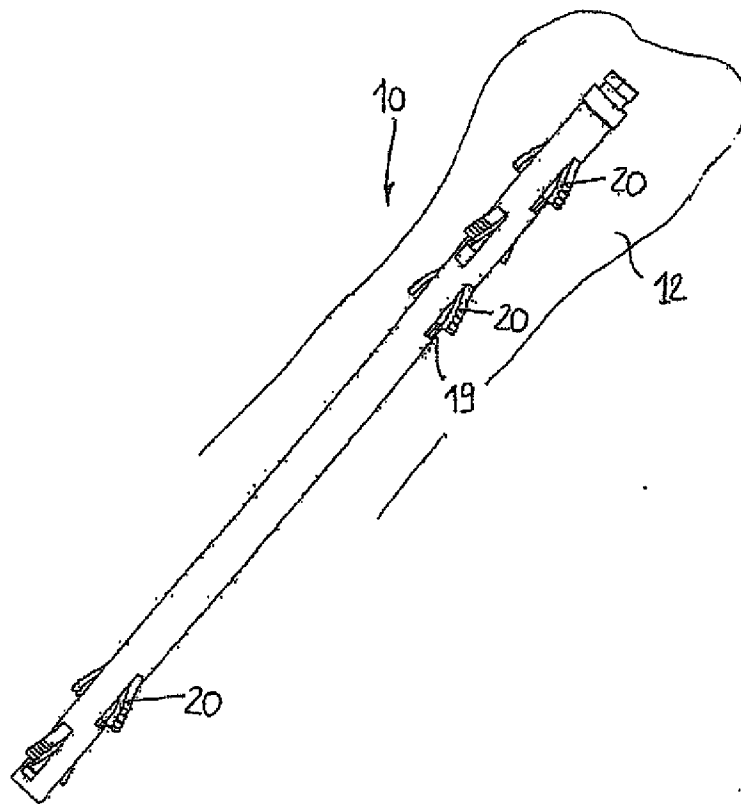
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[Continued on next page]

(54) Title: **INTRAMEDULLARY NAIL COMPRISING ELEMENTS OF SHAPE-MEMORY MATERIAL.**



(57) Abstract: An intramedullary nail (10, 110, 210, 310, 410, 510, 610) suitable for insertion in a fractured elongate bone (12), of the type comprising a stem (14, 114, 214, 314, 414, 514, 614) extended between a proximal end (16, 116, 216, 416, 516, 616) and a distal end (18, 118, 218, 418, 518, 618). The nail comprises a plurality of elements (20, 120, 220, 320, 420, 520, 620) realised with at least one shape-memory material, a plurality of seats (19, 119, 219, 319, 419, 519, 619) formed in the stem (14, 114, 214, 314, 414, 514, 614) for housing the elements (20, 120, 220, 320, 420, 520, 620). The elements (20, 120, 220, 320, 420, 520, 620) are suitable to take a first shape wherein they are retractably housed in the respective seats (19, 119, 219, 319, 419, 519, 619) and a second shape wherein they project from the respective seats (19, 119, 219, 319, 419, 519, 619).

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